		Exploring the E	xtreme
		2007 Mathem	
		Standard	
Oregon Mathematic	s		
Grade 2			
Activity/Lesson	State	Standards	
7.011711.972.000011	Otato	Otanida do	Use rulers and other measurement tools to
Finding the Center of			estimate and measure length in common
Gravity Using Rulers		MA.2.2.3.5	units (e.g., centimeter and inch).
Cravity Comig Maioro		1417 (1.2.12.10.10	drine (e.g., continueter and mon).
		Exploring the E	
		2007 Mathem	
		Standard	
Oregon Mathematic	S		
Grade 4			
Activity/Lesson	State	Standards	
			Determine the appropriate units, strategies,
Finding the Center of			and tools to solving problems that involve
Gravity Using Rulers		MA.4.4.3.4	estimating or measuring area.
Finding the Center of			Determine the appropriate units, strategies,
Gravity Using Plumb			and tools to solving problems that involve
Lines	OR	MA.4.4.3.4	estimating or measuring area.
Changing the Center			Determine the appropriate units, strategies,
of Gravity Using			and tools to solving problems that involve
Moment Arms	OR	MA.4.4.3.4	estimating or measuring area.
	I.	Exploring the E	xtreme
		2007 Mathem	
		Standard	s
Oregon Mathematic	S		
Grade 5			
Activity/Lesson	State	Standards	
			Apply concepts of place value and the
Center of Gravity,			properties of operations to solve problems
Pitch, Yaw	OR	MA.5.5.2.2	involving division.
		Exploring the E	xtreme
		2007 Mathem	natics
		Standard	s
Oregon Mathematic	s		
Grade 6			
Activity/Lesson	State	Standards	
Jet Propulsion	OR	MA.6.6.3.2	Develop the meanings and uses of variables
			Apply the properties of operations to simplify
Fuel Efficiency	OR	MA.6.6.1.6	calculations.
		Exploring the E	
		2007 Mathem	
Oromon Mathamast's		Standard	 S
Oregon Mathematic	S 		
Grade 7			

Activity/Lesson	State	Standards		
-			Apply ratio and proportionality to solve	
Center of Gravity,			problems, including percent and simple	
Pitch, Yaw	OR	MA.7.7.2.2	probability.	
Exploring the Extreme				
2007 Mathematics				
Standards				
Oregon Mathemati	cs			
Grade 8				
Activity/Lesson	State	Standards		
Vectoring	OR	MA.8.8.3.1	Use properties of parallel lines, transversals, and angles to find missing sides and angles, and to solve problems including determining similarity or congruence of triangles.	
Center of Gravity,			Use models and referents to explore and	
Pitch, Yaw	OR	MA.8.8.3.6	estimate square roots.	
Fuel Efficiency	OR	MA.8.8.2.3	Interpret and analyze displays of data and descriptive statistics.	
Fuel Efficiency	OR	MA.8.8.2.4	Compare descriptive statistics and evaluate how changes in data affect those statistics.	
Fuel Efficiency	OR	MA.8.8.3.6	Use models and referents to explore and estimate square roots.	